

FIG. 1

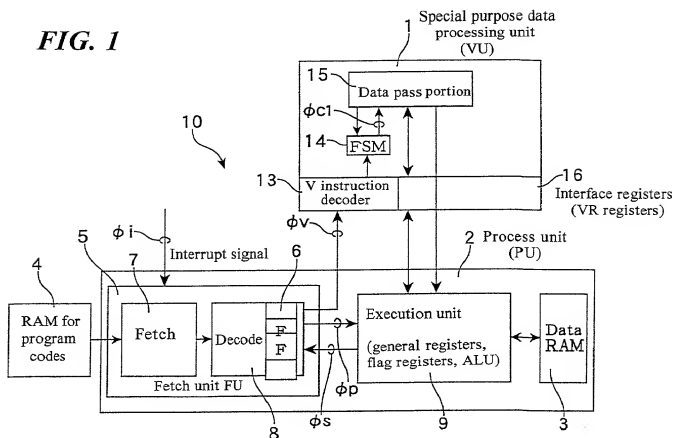


FIG. 2

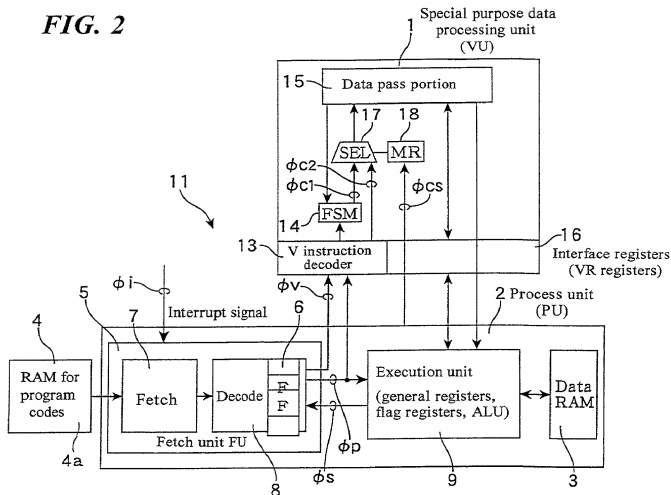


FIG. 3

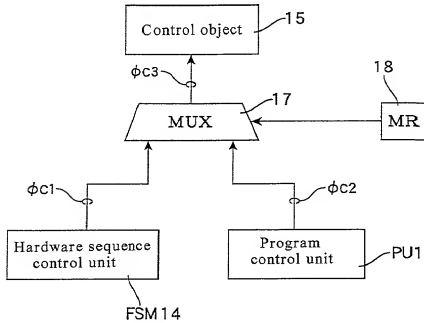


FIG. 4

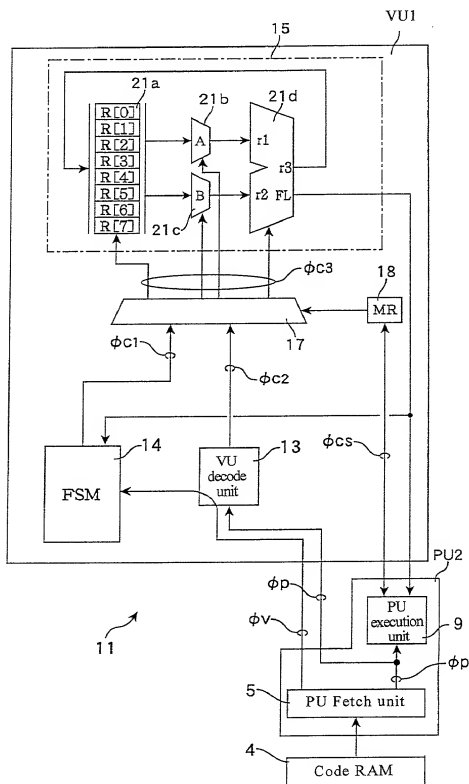


FIG. 5

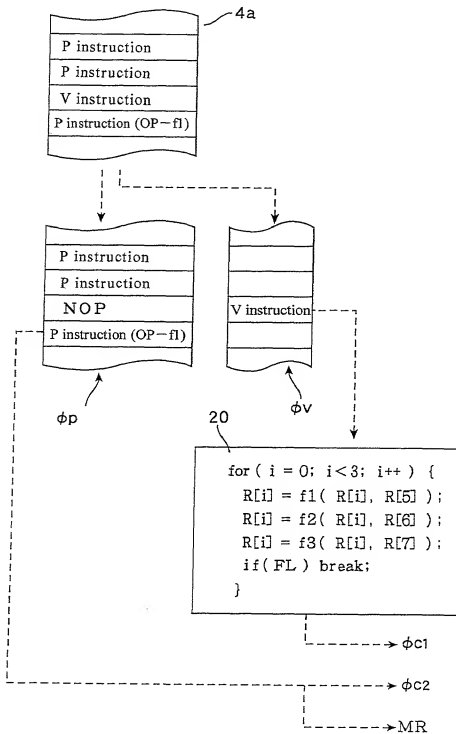
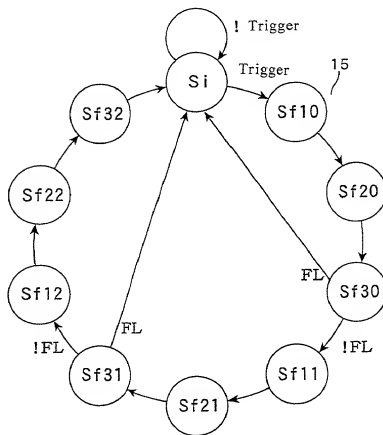


FIG. 5

FIG. 6



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FIG. 8

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Instruction	Register file read out selection A	Register file read out selection B	Calculation selection	Register file write selection · approve
OP-f1 r3, r1, r2	r1	r2	f1	r3
OP-f2 r3, r1, r2	r1	r2	f2	r3
OP-f3 r3, r1, r2	r1	r2	f3	r3

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FIG. 9

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```
for ( i = 0; i < 3; i++ ) {  
    R[i] = f3 ( R[i], R[7] );  
    R[i] = f2 ( R[i], R[6] );  
    R[i] = f1 ( R[i], R[5] );  
    if (FL) break;  
}
```

FIG. 10

4b

```
TRIGGER; MOVE MR, #Program control mode  
        MOVE i, #0  
LOOP:   CMP  i, #3  
        JRC  END      ;if(i-3<0) JMP END  
        OP-f3 R[i],R[i],R[7]  
        OP-f2 R[i],R[i],R[6]  
        OP-f1 R[i],R[i],R[5]  
        JRM  FL, END   ;if( FL ) JMP END  
        ADD  i, i, #1  ; i = i + 1  
        JMP  LOOP  
END;
```

FIG. 11

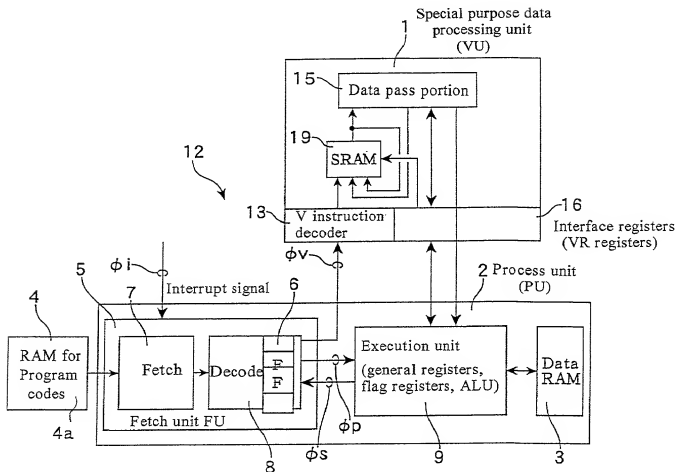
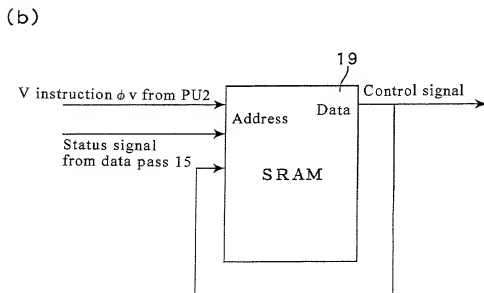
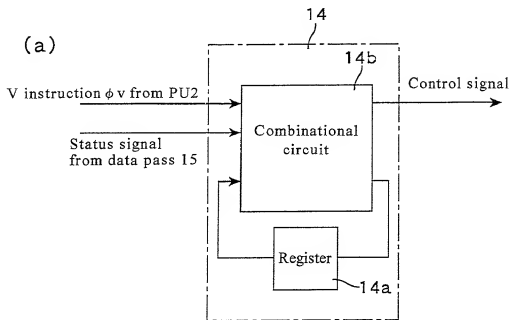


FIG. 12



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